



Knowing the Code

Information Technology occupations are some of the most in-demand occupations in Missouri. More than 87,000 people were employed in Computer and Mathematical occupations with an average wage of \$88,390 in 2022 (2022 Occupational Employment and Wage Statistics estimates). Employment in Information Technology occupations is projected to grow by 14.2 percent from 2020-2030 (MERIC Long-Term Employment Projections).

From Feb. 1, 2023, to Jan. 31, 2024, there were over 45,000 online job ads for Computer and Mathematical occupations (Lightcast™). Software development and programming skills are highly valued in these occupations. Most job ads for these occupations requested proficiency in various computer programming languages. The top requested programming languages include SQL, Python, and Java. These language skills are also most found in job ads for *Software Developers* and *Data Scientists*.

Top 20 Software and Programming Skills Requested in IT Occupations		
Skill	Skill Cluster	Online Job Ads
SQL	Programming Language	7,490
Python	Programming Language	4,960
Java	Programming Language	4,770
Amazon Web Services	Cloud Solutions	3,990
Microsoft Azure	Cloud Solutions	3,800
JavaScript	Programming Language	3,610
Application Programming Interface (API)	Application Programming Interface	3,380
Git	Version Control System	2,800
Linux	Operating Systems	2,720
C#	Programming Language	2,470
JIRA	Software Quality Assurance	2,320
RESTful API	Application Programming Interface (API)	1,920
HyperText Markup Language (HTML)	Web Development	1,880
React.js	JavaScript and jQuery	1,810
Kubernetes	IT Automation	1,800
Angular	Web Framework	1,780
Cascading Style Sheets (CSS)	Web Development	1,730
Jenkins	Software Development Tools	1,730
Relational Databases	Database Management	1,540
Power BI	Data Visualization	1,470

Source: Lightcast, online job ads Feb. 1, 2023 – Jan. 31, 2024

Who's Hiring?

Top Industries		
NAICS Code	Industry Title	Online Job Ads
541	Professional, Scientific, & Technical Services	11,250
561	Administrative & Support Services	5,760
523	Securities, Commodity Contracts, & Other Financial Investments	2,350
336	Transportation Equipment Manufacturing	2,320
611	Educational Services	1,910
522	Credit Intermediation & Related Activities	1,660
524	Insurance Carriers & Related Activities	1,620
621	Ambulatory Health Care Services	1,240
511	Publishing Industries	900
334	Computer & Electronic Product Manufacturing	870

Source: Lightcast, online job ads Feb. 1, 2023 – Jan. 31, 2024

Top Employers
Edward Jones
Boeing
Randstad
Deloitte
Kforce
Centene
Mastercard
Washington University
University of Missouri
Elevance Health

Source: Lightcast, online job ads Feb. 1, 2023 – Jan. 31, 2024

Industries with the most job postings for Information Technology occupations included *Professional, Scientific, and Technical Services* and *Administrative and Support Services*. The employer with the most job postings was Edward Jones, followed by Boeing and Randstad.

Skill Profile

Git is a distributed version control system that tracks changes in any set of computer files. It is usually used for coordinating work among computer programmers who are working together developing source code during software development. Git is an actively maintained open source project.

Git is most requested in job ads for *Software Developers* and *Web Developers*. Employers requesting Git in job ads include Boeing and Edward Jones.

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Data accessed February 2024.

